



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 14, 2004

PTAS



102497093A

JACOBSON HOLMAN PLLC
YOON S. HAM
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004-2218

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/27/2003

REEL/FRAME: 014255/0029
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SUNG-KWON

DOC DATE: 06/27/2003

ASSIGNOR:

LEE, MIN-SUK

DOC DATE: 06/27/2003

ASSIGNEE:



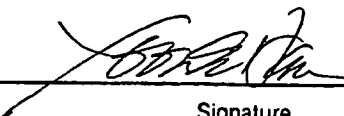
HYNIX SEMICONDUCTOR INC.
SAN 136-1, AMI-RI, BUBAL-EUP
ICHON-SHI, KYOUNGKI-DO
REPUBLIC
OF KOREA
467-860

SERIAL NUMBER: 10607052
PATENT NUMBER:

FILING DATE: 06/27/2003
ISSUE DATE:

014255/0029 PAGE 2

SAUNDRA BALLENGER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Form: PTO-1595 (Rev. 03/01)		RECORDATION FOR PATENT		07-15-2003		DEPARTMENT OF COMMERCE TRADEMARK OFFICE	
To the honorable Commissioner of Patents and Trademarks: P						by thereof:	
1. Name of Conveying Party(ies): LEE, SUNG-KWON LEE, MIN-SUK		2. Name Name: Hynix Semiconductor Inc. Street Address: San 136-1, Ami-ri, Bubal-eup Street Address: City: Ichon-shi, Kyoungki-do State/Country: Korea Postal Code: 467-860		16447 U.S. PTO 10/607052 06/27/03			
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other: <input type="checkbox"/> Merger Execution Date: 06272003							
4. Application Number(s) or Patent Number(s): 10607052 <input checked="" type="checkbox"/> Assignment is being filed together with new application and the first execution date of application is: 06272003 <input type="checkbox"/> Application has been filed already and the application filing date is: A. Patent Application Number(s): B. Issued Patent Number(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
5. Name and address of party to whom correspondence concerning this matter should be mailed: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC. 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666				6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.			
Attorney Docket Number: P68950US0							
DO NOT USE THIS SPACE							
8. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Yoon S. Ham/45,307  June 27, 2003 Name of Person Signing, Reg. No. Signature Date Total number of pages including cover sheet, attachments, and documents: -2-							

JCH 103-2/02

07/01/2003 DEHANU1 00000027 10607052

40.00 DP

02 FC-8021

UNITED STATES OF AMERICA-ASSIGNMENT

(1-6) Insert Name(s) of Inventors

(1) LEE, SUNG-KWON

(2) LEE, MIN-SUK

(3) _____

(4) _____

(5) _____

(6) _____

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to assign, transfer and set over to

(7) Insert Name of assignee

(7) Hynix Semiconductor Inc.

(8) Insert Address of Assignee

(8) of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860,
Republic of Korea

(9) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)

(9) a Corporation of Republic of Korea

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(10) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(10) METHOD FOR FABRICATING SEMICONDUCTOR DEVICE CAPABLE OF
REDUCING SEAM GENERATIONS

for which the undersigned has (have) executed an application for patent in the United States of America

(11) Insert Date of Signing of Application, or filing date and Serial No., if known

(11) Said application having been executed/ filed on June 27 2003 (and assigned Serial No. New Application)

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such application as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date June 27, 2003

Name of Inventor LEE, SUNG-KWON
typed name



(SEAL)

Date June 27, 2003

Name of Inventor LEE, MIN-SUK
typed name



(SEAL)

Date _____

Name of Inventor _____
typed name

(SEAL)

Date _____

Name of Inventor _____
typed name

(SEAL)

Date _____

Name of Inventor _____
typed name

(SEAL)

Date _____

Name of Inventor _____
typed name

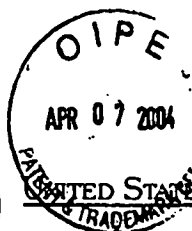
(SEAL)

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

☐ A additional inventor's names and signatures on a separate sheet. Witness LEE, MYU NG-HEE Lee, Myung Hee

Witness LIM, HYE-YOUNG Lim, Hye Young

LAW OFFICES OF
JACOBSON, PRICE, HOLMAN & STERN
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004



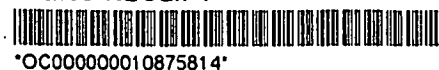
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/607,052	06/27/2003	2812	750	P68950US0	11	18	2

CONFIRMATION NO. 4134

JACOBSON, PRICE, HOLMAN & STERN
PROFESSIONAL LIMITED LIABILITY COMPANY
400 Seventh Street, N.W.
Washington, DC 20004

FILING RECEIPT



OC000000010875814

Date Mailed: 09/15/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Hyeok Kang, Seoul, KOREA, REPUBLIC OF;
Sung-Kwon Lee, Ichon-shi, KOREA, REPUBLIC OF;
Min-Suk Lee, Ichon-shi, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 2002-72240 11/20/2002
REPUBLIC OF KOREA 2002-37257 06/29/2002
REPUBLIC OF KOREA 2002-84097 12/26/2002

If Required, Foreign Filing License Granted: 09/09/2003

Projected Publication Date: 01/01/2004

Non-Publication Request: No

Early Publication Request: No

Title

Method for fabricating semiconductor device capable of reducing seam generations

Preliminary Class

438

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**DECLARATION
AND POWER OF ATTORNEY
U.S.A.**

FOR ATTORNEY'S USE ONLY

ATTORNEYS' DOCKET NO.

P68950 US0

ALL PATENTS, INCLUDING DESIGN
FOR APPLICATION BASED ON PCT, PARIS CONVENTION,
NON PRIORITY OR PROVISIONAL APPLICATIONS

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed at 201 below), a first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

METHOD FOR FABRICATING SEMICONDUCTOR DEVICE CAPABLE OF REDUCING SEAM GENERATIONS

which is described and claimed in:

☒ the attached specification

☐ PCT International Application No. _____ filed _____

☐ the specification in application Serial No. _____ filed _____

(if applicable) and amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §118 (a)-(b) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

(Number) 2002-37257

(Country) REPUBLIC OF KOREA

29/06/2002

(Day/Month/Year Filed)

Priority Claimed

☒ Yes ☐ No

(Number) 2002-84097

(Country) REPUBLIC OF KOREA

26/12/2002

(Day/Month/Year Filed)

☒ Yes ☐ No

(Number) _____

(Country) _____

(Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, §118(a) of any United States provisional application(s) listed below:

Application No. _____

Filing Date _____

Application No. _____

Filing Date _____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) _____

(Filing Date) _____

(Status: patented, pending, abandoned) _____

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys(Registration No.) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR.(20,851); D. DOUGLAS PRICE (24,514); JOHN CLARKE HOLMAN (22,789), MARVIN R. STERN (20,840); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); and YOON S. HAM (45,307)

SEND CORRESPONDENCE TO:

JACOBSON, PRICE, HOLMAN & STERN
PROFESSIONAL LIMITED LIABILITY COMPANY
400 Seventh Street, N.W.
Washington, D.C. 20004

DIRECT TELEPHONE CALLS TO:

(please use Attorney's Docket No.) (202) 638-8866

JACOBSON, PRICE, HOLMAN & STERN
PROFESSIONAL LIMITED LIABILITY COMPANY

* Inventor(s) name must include at least one unabbreviated first or middle name.

201	FULL NAME OF INVENTOR	FAMILY NAME	GIVEN NAME		MIDDLE NAME
		LEE	SUNG-KWON		
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
		Ichon-shi	Kyoungki-do		Republic of Korea
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		CITY	STATE OR COUNTRY
		San 136-1, Ami-ri, Bubal-eub		Ichon-shi	Kyoungki-do, Korea
					ZIP CODE
					467-860
202	FULL NAME OF INVENTOR	FAMILY NAME	GIVEN NAME		MIDDLE NAME
		LEE	MIN-SUK		
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
		Ichon-shi	Kyoungki-do		Republic of Korea
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		CITY	STATE OR COUNTRY
		San 136-1, Ami-ri, Bubal-eub		Ichon-shi	Kyoungki-do, Korea
					ZIP CODE
					467-860
203	FULL NAME OF INVENTOR	FAMILY NAME	GIVEN NAME		MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		CITY	STATE OR COUNTRY
					ZIP CODE

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE
June 27, 2003	June 27, 2003	

☐ Additional inventors are named on separately numbered sheets attached hereto.

© JPH&S 1995 895; 3/97 (COPYING WITHOUT DELETIONS PERMITTED)

Copied from 10470609 on 03/17/2006

Form PTO-1595

RECORDATION FORM COVER SHEET

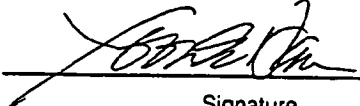
U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

PATENTS ONLY

U.S. PATENT AND TRADEMARK OFFICE

To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof:

1. Name of Conveying Party(ies): LEE, SUNG-KWON LEE, MIN-SUK		2. Name and Address of Receiving Party(ies): Name: Hynix Semiconductor Inc. Street Address: San 136-1, Ami-ri, Bubal-eup Street Address: City: Ichon-shi, Kyoungki-do State/Country: Korea Postal Code: 467-860	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other: <input type="checkbox"/> Merger Execution Date: 06272003			
4. Application Number(s) or Patent Number(s): <input checked="" type="checkbox"/> Assignment is being filed together with new application and the first execution date of application is : 06272003 <input type="checkbox"/> Application has been filed already and the application filing date is: A. Patent Application Number(s): B. Issued Patent Number(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning this matter should be mailed: CUSTOMER NUMBER 00136 -or- JACOBSON HOLMAN PLLC 400 Seventh Street, N.W. Washington, D.C. 20004-2218 Tel. 202-638-6666 Attorney Docket Number: P68950USO		6. Total number of applica- tions and patents involved: 1 7. Total Fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.	
DO NOT USE THIS SPACE			
8. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Yoon S. Ham/45,307  June 27, 2003 Name of Person Signing, Reg. No. Signature Date Total number of pages including cover sheet, attachments, and documents: -2-			

JCH 103-2/02

UNITED STATES OF AMERICA-ASSIGNMENT

(1-6) Insert Name(s) of Inventors

(1) LEE, SUNG-KWON

(2) LEE, MIN-SUK

(3) _____

(4) _____

(5) _____

(6) _____

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to assign, transfer and set over to

(7) Insert Name of assignee

(7) Hynix Semiconductor Inc.

(8) Insert Address of Assignee

(8) of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860,
Republic of Korea

(9) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)

(9) a Corporation of Republic of Korea

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(10) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(10) METHOD FOR FABRICATING SEMICONDUCTOR DEVICE CAPABLE OF
REDUCING SEAM GENERATIONS

(11) Insert Date of Signing of Application, or filing date and Serial No., if known

for which the undersigned has (have) executed an application for patent in the United States of America
(11) Said application having been executed/ filed on June 27 2003 (and assigned
Serial No New Application)

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such application as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.



3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

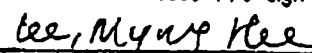
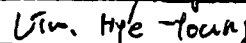
6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>June 27, 2003</u>	Name of Inventor <u>LEE, SUNG-KWON</u>	 (SEAL)
	typed name	
Date <u>June 27, 2003</u>	Name of Inventor <u>LEE, MIN-SUK</u>	 (SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	
Date _____	Name of Inventor _____	(SEAL)
	typed name	

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

☐ A additional inventor's names and signatures on a separate sheet.

Witness LEE, MYUNG-HEE 
Witness LIM, HYE-YOUNG 

LAW OFFICES OF
JACOBSON, PRICE, HOLMAN & STERN
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 15, 2004

PTAS



102498136A

JACOBSON HOLMAN PLLC
400 SEVENTH STREET N.W.
SUITE 600
WASHINGTON, DC 20004

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/27/2003

REEL/FRAME: 014258/0429
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KANG, HYEOK

DOC DATE: 05/15/2003

ASSIGNEE:

HYNIX SEMICONDUCTOR INC.
SAN 136-1, AMI-RI, BUBAL-UEP
ICHON-SHI, KYUNGKI-DO
REPUBLIC
OF KOREA
467-860

SERIAL NUMBER: 10607052
PATENT NUMBER:

FILING DATE: 06/27/2003
ISSUE DATE:

014258/0429 PAGE 2

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS